



SCE2120

5G Sub-6 Indoor Small Cell

As businesses accelerate adoption of 5G and private networks, investment in indoor connectivity solutions has become crucial to meeting growing data demands. Factors such as rising data traffic from machine vision and camera systems, expanding warehouse footprints, and dynamic inventory management pose challenges for enterprises still relying on legacy wireless infrastructure. Additionally, mission-critical applications across warehousing, manufacturing, healthcare, and logistics increasingly depend on AR-guided solutions and autonomous mobile robots, requiring high-speed, low-latency, and secure connectivity. This shift positions 5G as the next generation of industry innovation, enabling seamless operations and enhanced efficiency in data-driven environments.

The Askey SCE2120 is an all-in-one 5G Sub-6 small cell that delivers wider coverage, enhanced indoor connectivity, and an optimal balance of speed, range, and signal penetration. Designed for enterprise-grade performance, the SCE2120 integrates 5G baseband, radio, and antenna into a all-in-one compact, powerful, and secure solution, ensuring superior network access.

As a cost-effective part of Askey's end-to-end 5G portfolio, the SCE2120 enables enterprises to embrace 5G and edge computing to replace a legacy wireless infrastructures or complementing existing networks. Featuring support for bands n48, n78, and n79 in a single device, it ensures global enterprise compatibility, enabling streamlined deployment across multiple regions while minimizing fragmentation and maximizing operational efficiency. Purpose-built for data-intensive applications, the SCE2120 delivers reliable, high-performance connectivity for mission-critical operations in warehousing, manufacturing, logistics, and healthcare—driving the next generation of industry innovation.

Askey helps you **evolve** your business to meet today's market speed and demands, backed by our market **knowledge** to make you **stronger**.

For more information, please visit [Askey/Small Cell](#)

General

- Band:
N48(20/30/40MHz)
N77(40/50/60/70/80/90/100MHz)
N78(20/30/40/50/60/70/80/90/100MHz)
- Max. TX Power:
N48: EIRP < 30dBm
N77/N78: 24dBm
- Antenna:
2x2 internal Omni with peak gain 6dBi
- Backhaul:
10G SFP+/2.5G WAN
- Power Supply:
DC 12V/POE++(support 802.3bt)
- Power Consumption:
35 W
- Active Users:
16~32
- Data Rates:
DDDSU: 750Mbps/200 Mbps
- Coverage:
LOS 70~100m for common usage
- Installation (Indoor):
Wall/Ceiling/Pole mount

Environmental

- Sealing:
IP50
- Operating Temperature:
-5°C~ 50°C
- Operating Humidity:
90% maximum, non-condensing
- Dimensions:
W250 x H250 x D65mm
- Weight:
<2.5kg

Operations and Maintenance

- Fault Management
- Configuration Management
- Performance Management
- Security Management
- Software Upgrade

Features

- SA Network Architecture
- 3GPP Release 15
- All-in-One Product
- NG/Xn Handover
- DL/UL Resource Scheduling
- Self-Organizing Networks
- Measurement Report
- WebGUI Management
- SAS-CBSD WINNF SAS-CBSD Interface

Box Contents

- SCE2120
- Power Adapter
- GPS Antenna

Enterprise Use Cases

- Smart Buildings
- Manufacturing / Warehouse
- Hospital
- Sporting / Public Events
- Shopping Mall
- Underground Parking

Model Numbers (SKU)

- Model Name: NR xCell 46116A
SKU1: SCE2120 N77 (3.55~4.2GHz)
SKU2: SCE2120 N48 (3.55~3.7GHz)
SKU3: SCE2120 N78 (3.55~3.8GHz)
- Model Name: NR xCell 46156B
SKU4: SCE2120 N78 (3.3~3.8GHz)



Askey International Corporation
4017 Clipper Court, Fremont CA 94538, U.S.A.
www.askey.com
sales@askey.com.tw

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